x With preceding tract

531.m.4
4

MEMOIR of the CHART
of *Part* of the
COAST of CHINA,
and
The *Adjacent Iſlands* near the *Entrance*
of
CANTON RIVER:

containing
Obſervations in the Schooner *Cuddalore*, 1759 & 1760,
and
In the Ship *London*, 1764.
With ſeveral VIEWS of the LANDS.

By
Dalrymple.

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MEMOIR of a CHART
# of the
COAST of CHINA and the ADJACENT ISLANDS,
from
PEDRO-BLANCO to THE MIZEN.

THIS Chart is, almoſt entirely, laid down from my own Obſervations; having omitted thoſe Parts of the Coaſt, for which I had nothing of my own, and faintly ſketched ſuch Parts as I could not minutely deſcribe: I have, indeed, made uſe of a few Bearings of Captain Baker, in the Schooner Cuddalore 1759, aboard of which Veſſel I then was, but theſe are chiefly for determining the *ſoundings*.

As an explanation of the Chart, I ſhall give a particular Recital of the Materials from whence it was determined, diſtinguiſhing it into *Three* Parts, viz.

1. From *Macao* to the *Gr. Lema* on the *South* of *Lantao*.
2. From *Pedro-Blanco* to the *Gr. Lema*.
3. From *Lantao* to *Boca-Tigris*.

1. From *Macao* to *Gr. Lema* on the *South* of *Lantao*.

This Part is chiefly laid down from the following Stations,

Stat.

1. On Cabareta Point, Lat. Obs$^{d.}$ 22° 14′ N, per Chart 22° 14′ N from whence the View N^{o} 1. was taken 14th February 1760.
2. On the higheſt Hill of the Iſland, which forms the *Eaſtern* Side of the Entrance of the Typa coming from Macao, called Kai-ke-ong, 21ſt Sept. 1760.
3. On the Peak of the Iſland, which forms the *Weſtern* Side, called Toi-koke-tou, 22d Sept. 1760.

4. 30th

Stat.
4. 30th April 1760, at ⚓ in 4$\frac{3}{4}$ Fath. S^{o} of Cabareta Point.
5. 15th April 1760, Lat. Obs^{d} 22° 6′ $\frac{1}{2}$ N, per Chart 22° 5′ N to the Southward of Montania.
6. 16th April 1760, Lat. Obs^{d} $\left\{\begin{matrix}22^{\circ}\ 9'\ \frac{3}{4}\\ 22.\ 5\ \frac{3}{4}\end{matrix}\right\}$ per Chart 22° 5′ $\frac{1}{4}$ N S^{o} of Potöe.
7. 2d May 1760, S^{o} of Wungboo at ⚓ in 8 $\frac{1}{2}$ Fath.
8. 21ſt April 1760, at ⚓ in 6 Fath. off Samcocke.
9. 18th April 1760, at ⚓ in 4 $\frac{1}{2}$ Fath; Lat. Obs^{d} 22° 20′ $\frac{1}{4}$ N per Chart 22° 20′ N.
10. 19th April 1760, at ⚓ in 4 $\frac{1}{2}$ Fath.; Lat. Obs^{d} 22° 20′ $\frac{1}{2}$ N per Chart 22° 19′ $\frac{1}{4}$. View N^{o} 2.
11. 3d May 1760, at ⚓ in 14 Fath., off the Gr. Ladron. View N^{o} 6.
12. 4th May 1760, at ⚓ in 17 $\frac{1}{2}$ Fath. off the Aſſes Ears, Lat. Obs^{d} 22° 5′ $\frac{1}{2}$ N, per Chart 22° 2′ $\frac{3}{4}$.
13. 5th May 1760, Sunſet
14. 5th May 1760, a little before Noon.
15. 18th November 1764, at ⚓ in 6 $\frac{1}{2}$ Fath. off Lamma, Lat. Obs^{d} 22° 20′ N, per Chart 22° 18′ N. View N^{o} 5.
16. 19th November 1764, aſhoar on Cowhee. View N^{o} 4.

2. From *Pedro-Blanco* to the *Gr. Lema.*

The chief Materials, for this Part, are the London's Journal in 1764, and the Views belonging to it; ſome Soundings are added from the Cuddalore, 1759 and 1760, but the Lands are laid down from Obſervations in the London.

3. From *Lantao* to *Boca- Tigris.*

This is entirely from the Obſervations and Views taken aboard the London, in November 1764.

St. 1.

St. 1. On Cabareta Point, 14th February, 1760.

☉ 54° 25′ + 16′ — 7′ = 54° 34′ Z D. 35° 26′ Dec. 13° 12′ Lat. 22° 14′ N.

View Nº 1.

Sº Peak of Montania	S 40° 40′ W	Alt. 1° 25′
Extreme of Montania	35. 20	
C Potoe 1. R Ext.	S 20. 30 E	
2.	21. 0	
Peak	21. 30	Alt. 0. 24
3. L Ext. & R Ext. z, in Chart,	22. 0	
Higheſt Part or Middle of z	27. 30	
R Ext. Gr. Ladron	29. 0	
L Ext. z	29. 30	
R Ext. Wungboo, a, in Chart	31. 30	
Peak of Gr. Ladron	33. 30	Alt. 1. 1
L Ext. Wungboo	38. 30	
1. Small round Iſland, b, in View, and Middle of the next Iſland	42. 40	
2.	44. 0	
3.	46. 20	
4. Peak of Pack-leak-low, y	49. 10	Alt. 0. 37
5.	51. 0	
6.	51. 30	
7.	56. 0	
8. Chook-chow, w, v,	58. 0	Alt, 0. 20
9.	59. 30	
10.	E 21. 25 S	
11.	17. 30	
12. Tailow-chow, c,	16. 45	Alt. 0. 42
13.	15. 15	
14.	10. 20	
15. Saddle	9. 30	
16. Higheſt Part Tailock, d,		Alt. 0. 30
17.	7. 30	
18.	6. 30	
19. Chuctaan, h,	5. 0	Alt. 0. 12
20.	4. 0	
21. Chichow q,	3. 30	Alt. 0. 30

22.	R-Ext. Longſhitow,	i,	E 3° 10′ S	
23.	Sylock,	e,	0. 30 EAST E 0. 30 N	Alt. 0° 18′
24.	Peak of Longſhitow,		0. 30	Alt. 0. 36
25.	L Ext. D°, and R Ext. Samcocke		3. 30	
26.	Peak of D°	f,	5. 40	Alt. 0. 32
27.	Saddle of D°		6. 10	
28.	L Ext. D°		9. 45	
29.	Gap of Laf-ſammee,	l,	11. 30	
30. 31. 32.	Chang-chow,	g,	15. 0 16. 0 16. 30	Alt. 0. 31
33.	L Ext. m, and Lantao Peak		20. 0	Alt. 1. 25

This being one of my firſt Views, may perhaps have leſs Similitude, to the Lands, than ſubſequent Views, after much Practice, but it will convey a tollerable Idea of the Iſlands.

The following Bearings were taken, when Lantao had not ſenſibly altered the Bearings, but they were not viſible from the former Station.

Lintin R Ext.	N 40° 10′ E
Peak	37. 0
L Ext.	34. 15
Outermoſt of the *Nine* Iſlands	17. 0

Stations 2. 21ſt Sept. 1760, on Kai-ke-ong A
3. 22d on Toi-koke-tou B

		A	B
z	R Ext.		S 35° 0′ E
	Peak		39. 0
	L Ext.		42. 0
C	Potoe		42. 0

Gr. Ladron

		A	B
Gr. Ladron Peak		S 37° 30′ E	S 43° 0′ E
D°	L Ext.		46. 0
Iſland	Ears		E 30. 0 S
	L Ext.		29. 30
Iſland	Ears		28. 0
	L Ext.		25. 0
Rock			23. 0
Part of Great Lemas			18. 0
S° Peak D°			15. 0
u I-tſow	R Ext.		17. 30
	Gap or Peak		16. 0
	L Ext.		14. 30
w v Chook-chow	R Ext.	E 34° 0′ S	E 29. 0 S
	Ears	33. 0	28. 0
	L Ext.	31. 0	
y Pack leak-low	Peak	S 50. 30 E	33. 0
	L Ext.	52. 0	
	Rock off it	52. 30	
c Tailow-chow	L Ext.		14. 30
	Peak	E 23. 30 S	16. 0
	R Ext.	25. 0	17. 0
One of the two Rocks, which appear like Sails			14. 30
d Tailock	L Ext.		9. 30
	In one with a Point within Cabareta Iſland		
	Saddle, in one with diſtant round Iſland		10. 30
	R Ext.		11. 30
Rock			7. 30
h Chuctaan			8. 0 6. 0
q Chichow	R Ext.		6. 0
e Sylock	and Peak of Ling-ting		5. 0

f Samcocke

		A	B
f Samcocke	R Ext.		E 2° 30′ S
	Peak		1. 30
	L Ext.		Eaſt
i Longſhitow	R Ext.		E 5. 0 S
	Peak		2. 0
	Little Peak		0. 30
	L Ext.		E 0. 30 N
p Socko-chow			0. 30 3. 0
k Low Iſland ſtretching from Laſ-ſam-mee			3. 30 4. 30
l Laſ-ſam-mee	R Ext.		4. 30
	Gap	E 3° 0′ N	6. 30
	L Ext.		7. 0
Appearing like Iſland off it,	L Ext.		7. 30
g Changchow	R Ext.	0. 30	6. 0
	Higheſt Part	1. 0	6. 30
	L Ext.	2. 0	7. 0
Lantao Iſland	R Ext.	6. 30	9. 30
	Peak	14. 0	15. 30
	L Ext.	21. 30	24. 30
Lintin	R Ext.	43. 0	N 46. 30 E
	Peak	45. 30	45. 0
	L Ext.	49. 0	41. 0
Cabareta Iſland P^{t} and Inner Points		S 54. 30 E	
Cabareta Iſland		55. 0	
Rocky P^{t} of Typa		E 41. 0 S	E 9. 30 N
Rock		45. 0	8. 30
Outer Point		34. 0	6. 30
The Mizen			W 43. 0 S
Ext. of Montania			37. 0
Montania Peak		S 28. 0 W	S 11. 0 W
S^{o} Peak Montania		S 1. 0 E	S 19. 0 E
The two Points of Buncum channel		S 1. 20 W S 1. 0 E	33. 0

The

The Bearings for Macao, and the Iſlands forming the Typa are omitted, as not immediately relative to the Chart, the Form of the Typa being chiefly taken from a Plan of Captain George Baker.

Stat. 4. 30th April 1760, at ⚓ in 4¾ Fathom S°. of Cabareta Point.

Ext. of z		S 28°. 0′ E
Potoe, and higheſt Part, z		34. 0
Ladron Peak		41. 0
L Ext.		45. 0
Wungboo	R Ext.	46. 0
	L Ext. in one with	59. 0
R Ext. round b		
L Ext. round b		60. 30
Weſtern b		61. 0 66. 0
Saddle, between 2 Peaks, of diſt. Iſland		66. 0
L Ext. diſtaut Iſland		68. 30
Another diſt. Iſland		79. 0 82. 30
Another diſt. Is^d	R Ext.	E 0. 30 N
	Peak	1. 30
	L Ext.	2. 0
c Tailow-chow	R Ext.	2. 0
	Peak	6. 30
	L Ext.	8. 0
i Longſhitow	R Ext.	8. 0
h Chuctaan		9 0 11. 0
Noſe of Longſhitow		10. 0
Peak D°		11. 30
N° Peak D°		14. 0
d Tailock		14. 0 16. 0

	Rock, Nº of Tailock		E 18º 30′ N
	Rock, off Sylock,		20. 30
e	Sylock		21. 0
l	Laſ-ſam-mee	R Ext.	22. 0
		Gap	23. 30
		L Ext.	24. 0
f	Samcocke	R. Ext.	24. 0
		Peak	25. 30
		L Ext.	27. 30
g	Chang-chow		31. 0 32. 30
	Lintin Peak		58. 0
	Cabareta Point		Nº
	Montania Peak		W 14. 0 N
	Sº Peak Montania		W 10. 0 S
	W Ext.		18. 0
	The Mizen		27. 0

Stat. 5. 15th April, 1760.

Cabareta Point	N 29. 0 E
Peak of Tailow-chow	59. 0
Potoe	71. 0
Gr. Ladron Peak	E 12. 0 S

Stat. 6. 16th April, 1760.

Peak of Tailow-chow, and L Ext. W. b	N 30. 30 E
Potoe, higheſt Part,	2. 0
Cabareta Point	N 15. 0 W
Peak of Pack-leak-low	E.
Gr. Ladron Peak	E 30. 30 S

Stat. 7. 2d May 1760. at ⚓ in 8½ Fath Sº of Wungboo.

Iſland z	R Ext.	S 8. 0 E
	Higheſt Part	20. 0
	L Ext.	28. 0

Gr. Ladron

Gr. Ladron	Peak	S 41. 0 E
	L Ext.	49. 0
Peaked Rock, of *Anſon*		57. 0
Saddle, between 2 Peaks, of Choockchow		82. 30
Rock, N° of Pack-leak-low,		84. 30
Eaſt b		86. 0 E 31. 0 N
Longſhitow	R Ext.	34. 0
R. Ext. round b	Peack and	38. 0
Middle round b		43. 0
L Ext. D°, and R Ext. long b		45. 0
Middle long b		49. 0
L Ext. D°		52. 0
Tailow-chow	R Ext.	53. 0
	Peak	69. 0
	L Ext.	70. 0
Samcocke	Peak	71. 0
Tailock Wungboo -	higheſt Part, and R Ext.	72. 0
L Ext. Wungboo		6. 30
Rock off Wungboo		20. 0 16. 0
Cabareta Point		N 29. 0 W
Montania Peak and Potoe		W 35. 0 N
The Mizen		W 14. 0 S

Stat. 8. 21ſt April 1760, at ⚓ in 6 Fath. off Samcocke.

Lintin Peak	N 23. 0 E
Lantao Peak	E 25. 0 N
Nⁿ of 2 Diſtant Rocks	S 58. 0 E
Sⁿ D°	55. 0
Rock, N° of Sylock	53. 0
Sylock	45. 0

Rock

	Rock, N°. of Tailock, and Peak of Pack-leak-low		S 25.° 0′ E
	Rock off Wungboo		S 16. 0 W
	Potoe		25. 0
	Rock off it		26. 0
	Montania Peak		W 12. 0 S
	Cabareta P^t.		10. 0

Station 9. 18th April 1760, at ⚓ in 4½.

	N°. P^t. at Mouth of Typa		S 53. 30 W
	Rock off that Point		52. 30
	Montania Peak		51. 30
	Cabareta Point		39. 0
	L Extreme of Montania		38. 30
C	Potoe		11. 0
a	Wungboo		4. 0 2. 0
b	Iſlands		S 3. 30 E 6. 0
c	Tailow-chow		8. 0
		Peak	8. 30
			12. 0
	Rock off Tailock, in one with L Ext. Eaſt b		12. 30
d	Tailock		11. 0
		The higheſt Part	10. 0
			9. 0
e	Sylock	R Ext.	14. 40
		Middle	16. 30
f	Samcocke	R Ext.	16. 30
		Peak	19. 40
		L Ext.	25. 30
h	Chuctaan	R Ext.	34. 20
g	Changchow	R Ext. in one with about the Middle of Chuctaan	36. 40
		Higheſt Part	39. 30
		L Ext.	41. 0
i	Longſhitow	R Ext.	51. 30

1 Laf-ſam-mee	R Ext.	S 62° 30′ E	
	Gap	65. 30	
Lantao Peak		E 5. 0 N	
Lintin Peak		56. 0	

Stat. 10. 19th April 1760, at Anchor 4½ Fath.

View N° 3.

				Vid. View.		
	Montania Peak				S 60° 0 W	Alt. 1° 2′
	Cabareta Point				54. 0	
	C Potoe				24. 0	
	Wungboo,	a		1 2	18. 0 14. 0	Alt. 0° 21
	* R Ext. Tailock			3	12. 0	
L 0. 41.	R Ext. Samcocke,	f		4	11. 19	
0. 57.	Middle or higheſt Part Tailock	d			11. 3	Alt. 0. 33
2. 36.	Peak of Tailow-chow	c			9. 24	Alt. 0. 42
3. 39.	Peak of Samcocke			6	8. 21	Alt. 0. 42
	Bay on Samcocke			5 7		
10. 51	L Ext. D°			8	1. 9′	
13. 31	Gr. Ladron Peak, and L Ext. Iſlands	b		9	S 1. 31 E	Alt. 0. 49
15. 14 23. 15	Changchow	g	R Ext. L Ext., in one with,	10 11	3. 14 11. 15	Alt. 1. 2
	Pack-leak-low	y	Peak		11. 15	Alt. 0. 35
24. 18	D°		L Ext.		12. 18	
28. 0	Iſland,	x			16. 0	
31. 21 35. 5	Chuſtaan	h		12 13	19. 21 23. 5	Alt. 0. 32
35. 46 36. 42 38. 7 39. 31	Saddle, betw. 2 Pks,		Chookchow, w v	14 15 16 17	23. 46 24. 42 26. 7 27. 31	Alt. 0. 22
56. 0	R Ext. Diſt. Iſland, ſuppoſed Chichow,			7	41. 0	

			Vid. View.		
* R. Ext. Tailock					
L 56. 41	R Ext.	Longſhitow,	6	S 44° 41′ E	
62. 38	Peak,		5	50. 38	Alt. 1° 9′
65. 54	N° Peak		4	53. 54	0. 40
68. 2	R Ext.	Laſ-ſam-mee,	3	56. 2	
73. 13	Gap		2	61. 13	Alt. 0. 52′
75. 55	L Ext.		1	63. 55	
80. 20	R Ext.	Ling-ting	7	68. 20	
81. 42	Peak			69. 42	Alt. 0. 32
82. 39	L Ext.		6	70. 39	
Iſland to Left of Lingting	R Ext.			71. 32	
	Peak		5	72. 10	
	L Ext.			74. 30	
Iſland			4	74. 51 6. 21	
Small Iſland			3	76. 51	
R Ext. Iſland			2	78. 21	
Iſland, m			1		Alt. 0 29
Lantao Peak				E 8. 30 N	
Lintin Peak				N 24. 0 E	

Stat. 11. 3d May 1760, at Anchor off Gr. Ladron in 14 Fathom.

View N° 6.

Gr. Ladron Peak		W 11° 30′ N
Montania Peak and Potoe		35. 0
The Ladron Iſlands		24. 0 W 9. 0 S
a Wungboo	L Ext.	W 40. 0 N
Eaſt b	L Ext.	46. 0
y Pack-leak-low		51. 0 83. 0
h Chuctaan		N 7. 0 W 5. 0

x w v

x w v Chook-chow	1ſt Iſland	N 4. 0 E
		11. 0
	2d making like two	14° 0'
		19. 0
		19. 0
		24. 0
	3d making alſo like two	27. 0
		31. 0
		39. 0
	Rock or ſmall Iſland off them	42. 0
		44. 0

Vid. View No 6.

1. 2. 3.	I-tſow,	u	49. 0
			52. 0
			54. 0
4.	Lingting		56. 0
4. 5.	1ſt Samoan,	r	56. 0
			58. 0
	R Ext. Lingting		59. 0
6. 7.	2d Samoan	s	60. 30
			63. 30
8. 9.	3d Samoan,	t	65. 0
			67. 0

Aſſes Ears.

	Stat. 11.	Stat. 12.	
1.	S 84° 30' E	E 31° 0' S	
2.	82. 30	37. 0	
3.	82. 0	39. 0	
4.	78. 30	54. 0	Alt. 2° 0'
5.	77. 0	58. 0	
6.	75. 0	65. 0	
7.	73. 30	70. 0	Alt. 1. 27
8.	72. 30	73. 0	
9.	71. 30	76. 0	
10.	70. 30	77. 0	
11	69. 30	79. 30	
12.	68. 0	. .	

13.

	Stat. 11.		Stat. 12.
13 . .	S 67° 30′ E 67. 0		E 82° 0′ S
14. . .	66. 30	Peaked Rock White Rock .	87. 0 S 1. 0 W
15. . .	61. 0 60. 0	like 2 L Ext. . .	4. 0 5. 30 8. 0
16. . .	57. 30 56. 30	. . .	8. 0 11. 0
17. . .	55. 30 54. 30	. . .	12. 0 13. 0
18. . .	53. 30		
R Gap Rock, in Anſon's View,	50. 0	. . . . .	18. 0

When this View, N° 6, was taken, the Gr. Lema was in haze, as well as the Rock, in mid Channel, between the Lemas and Aſſes Ears, but the S° moſt of the Lema bore S 86° E.

The Extremes from the two Stations are not the ſame individual Points, but the viſible Extremes from each Station; it was incertain whether the Peaked Rock, or White Rock, from Stat. 12. was, 14, from Stat. 11.

From Stat. 12, there were two Rocks, to the Left of the Aſſes Ears, which were not viſible when the View was taken.

The 1ſt bore	E 29° 0′ S
2d	29. 30

Stat. 12. 4th May 1760, at ⚓ in $17\frac{1}{2}$ Fath.

Gr, Ladron .	L Ext . .	W 5° 0′ S	
	Peak . .	1. 0	Alt. 0° 55′
	R Ext . .	W 0. 30 N	
2	Higheſt Part .	1. 0	
	R Ext. . .	2. 0	

Pack-leak-

Pack-leak-low		W 4° 30′ N	
	Peak	12. 0	
		13. 0	
Long b	L Ext.	13. 0	
Montania Peak		21. 0	
Chookchow		15. 0	
		21. 0	
Tailowchow Peak		30. 0	
Tailock		33. 0	
Samcocke		37. 0	
Chucktaan		39. 0	
I-tſow	1ſt Iſland	N 41. 0 W	
		37. 0	
	2d	37. 0	
	Gap	31. 0	
		28. 0	
Middle of Chichow		27. 0	
R Ext. D°		25. 0	
L Ext. of Lantao Iſland		26. 0	
Rock or Small Iſland to the R. of I-tſow		19. 0	
Lantao Peak		10. 0	Alt. 1° 30′
D° . E. Peak		5. 0	1. 26
Samoan	r	6. 0	
		N 1. 0 E	
	s	3. 0	
		9. 30	
	t	12. 0	
		21. 0	
Falſe Lantao Peak		17. 0	Alt. 0. 55
Lingting	Gap	18. 0	
	Saddle	20. 0	
Vide *View* N° 15.	1	35. 0	
Fanchin-chow R Ext. Point	2 call'd Tapongſo	42. 0	
	3	45. 0	
Lo-Chow	4	47. 0	
	5	48. 0	
Pootoy	6	49. 0	
	7	52. 0	

Gr. Lema	Peak	N 71° 0′ E	
		76. 0	Alt. 1° 19′
		81. 0	
Peak of another		77. 0	Alt. 1. 20
Southern Lema.		83. 0 86. 0	
Rock in mid Channel		E 18. 0 S	

For the other Bearings Vide the Explanation of the View Nº 6. Page 15.

Stat. 13. Sunſet 5th May 1760.

R Ext. Fanchin-chow	N 40° 0 E
Falſe Lantao Peak	4. 0
R Ext. Lingting, and Lantao E Peak	N 28. 0 W
Gap .. Dº . and Lantao Peak	35. 0
Gr. Ladron Peak	W 9. 0 S
Aſſes-Ears, and Rock in Mid-channel	S 29. 0 W

Stat. 14. 5th May, a little before Noon, off Gr. Lema.

Longſhitow Peak		W 4. 0 N
Chichow		2. 0
Ling-ting	Gap	1. 30
		W 0. 30 S
		3. 0
Gap of I-tſow		9. 30
Gr. Ladron Peak		15. 0
Lemas		34. 0
	1ſt Peak	38. 0
	2d Peak	44. 0
The Gr. Lema		43. 30 S 4. 0 E

Stat. 15. 18th November 1764, at ⚓ in 6½ Fath. off Lamma.
View Nº 5.

*	L Ext. Ling-ting	7	S 20. 15 W
L 48° 25′	R Ext. Lamma and L Ext. Lema	1.	S 28. 10 E
39. 0	R Ext. Dº	2.	18. 45
			L 37.

* L Ext. Lingting

L 37°. 0′	Lemas		3.		S 16°. 45′ E
29. 25			4.		9. 10
28. 20			5.		8. 5
25. 25			6.		5. 10
R 9. 30	Peak of Ling-ting		8.	Alt. 1°. 20′	S 29. 45 W
11. 20			9.		31. 35
12. 40		s	10.		32. 55
14. 25	Samoan	r	11.		34. 40
15. 25			12.		35. 40
17. 40			13.		37. 55
19. 0			14.		39. 15
21. 30	I-tſow	u	15.		41. 45
23. 20			16.		43. 35
24. 30			17.		44. 45
25. 10			18.		45. 25
42. 45	Chichow	q	19.		63. 0
43. 45			20.		64. 0
46 15			21.		66. 30
50. 10	L Ext.		22.		70. 25
52. 15	Peak of Longſhitow		23.		72. 30
54 30			24.		74. 45
56. 15	L Ext. S°. Chang-chow; a * 2d		25.		76. 30
58. 0	Socko-chow		26.		78. 15
60. 20	D°.		27.		80. 35
65. 30	R Ext. S°. Chang-chow	a	28.		85. 45
69. 0	L Ext. N°. D°.	a	29.		89. 15
74. 15	R Ext. D°.	a	30.		W 4. 30 N
80. 0	A Point, on Lantao Iſland,		31.		10. 15
82. 25	Another P^t. and		32.		12. 40
	Lantao Peak		L	Alt. 2°. 50′	12. 40
88. 10	D°. E. Peak		33.	3. 10	18. 25
94. 15	Another Peak		34.		24. 30
* 2d	L Ext. S°. Chang-chow				W 13. 30 S
R 43. 20	Nakow-chow	b	35.		W 29. 50 N
50. 20			36.		36. 50
56. 20			37.		42. 50
58. 20 67. 0	Nakow-chow	b	38. 39.		44. 50 N 36. 30 W

69.

	*2d L. Ext. S° Chang-chow				
R 69. 0	Taipak Peak		c	40.	34. 30
72. 40		R Ext.		41.	30. 50
77. 50	Siupak		d		25. 40
79. 30					24. 0
87. 10	Pſang-chow		e		16. 20
91. 30					12. 0
	Pt of Chinfalo			42.	N 6. 45 E
	Falſe Lantao			43.	8. 45
	Typak Howe		f	44.	11. 30
		Peak		45.	13. 0
				46.	15. 0
	Little Iſland			47.	15. 30
	Fanchin-chow	L Ext.		48.	17. 0
	Lamma	N W Pt		49.	20. 0
				50.	36. 30
		Rocky Pt		51.	40. 0

Stat. 16. 19th November 1764, on the higheſt Hill of Cowhee.

View N° 4.

	* L Ext. Pſang-chow 2 Points Lamma and R Ext. Middle Lema.		15.	S 16° 15′ E
L 61° 20′	A Peak			77. 35
42. 15	R Ext. Chinfalo			58. 30
32. 0			1.	48. 15
26. 55			2.	43. 10
25. 0			3.	41. 15
24. 15			4.	40. 30
23. 10	Typak Howe	f.	5.	39. 35
22. 0			6.	38. 15
20. 10			7.	36. 25
19. 30			8.	35. 45
18. 20			9.	34. 35
17. 20			10.	33. 35
15. 40			11.	31. 55
13. 20			12.	29. 35

11.

*		L Ext. Pſang-chow		S 16° 15′ E
	11. 20		13.	27. 35
	4. 30		14.	20. 45
R	1. 0	L Ext. Mid. Lema	16.	15. 15
	4. 10	Peak Pſang-chow	17.	12. 5
	4. 45	R Ext.	18.	11. 30
	5. 40	R Ext. Mid Lema	19.	10. 35
	5. 40° 6. 35 8. 30	Lema	19. 20. 21.	10. 35 9. 40 7. 45
	16. 0		22.	S 0. 15 E
	16. 50	L Ext. Aſſes Ears L Ext. Siupak d	23.	S 0. 35 W
	19. 20	L Ext. Ling-ting	24.	3. 5
	20. 0	L Ext. E Nakow-chow b and Aſſes Ears	25.	3. 45
	20. 45	R Ext. Siupak		4. 30
	20. 50	Peak on Ling-ting	26.	4. 35
	21. 50	Peak of E Nakow-chow		5. 35
	22. 50	Peak of Ling ting	27.	6. 35
	26. 0	R Ext. Ling-ting R Ext. E Nakow-chow L Ext. Chang-chow, a		9. 45
	26. 20	L Ext. W Nakow-chow, b		10. 5
	27. 20	Rock off Taipak	28.	11. 5
	28. 45	L Ext. Taipak	29.	12. 30
	30. 10	Peak of W Nakow-chow		13. 55
	31. 20	Peak of Taipak c	30.	15. 5
	30. 30	Pt on Lantao, the furtheſt in ſight,		14. 15
	26. 20	Another Pt		10. 5
	28. 45	Another Pt, off which there is a little Iſland,		12. 30
	20. 30	Little Iſland, off the Point,		4. 15 8. 55
	30. 25	Point on Lantao		14. 10
	58. 30	A little Bay D°		42. 15
	65. 50	A Pt. . I°		49. 35
	96. 4	Another Pt		79. 49
		Extreme Pt		W 11. 30 N

F

* 1ſt

	• 1ſt L Ext. Pſang-chow	S 16° 15′ E
L 14. 20	Little Iſland adjacent to Cowhee	30. 35
22. 50		39. 5
93. 50	Remarkable Gap in the Cliff, on Chinſalo ✳ 2d	
	✳ 2d Chinfalo Gap, and 1ſt rocky Pt of Cowhee	E 20. 5 N
L 18. 45	Left Ext. Chinfalo and 2d rocky Pt D°	38. 50
15. 40	Iſland or Rock off this Point.	35. 45

I alſo took ſome other Bearings from this Station for the Points, but as the Lands on the Strait are not pretended to be delineated with much Preciſion, I choſe to omit them, as I have ſketched the Coaſts as they appeared to me from the Top of the Hill.

I likewiſe took many Bearings of the Points of the Iſlands in one, which I have made uſe of in *forming* the Iſlands, but I think it needleſs to inſert them, as the Poſitions of the Iſlands are in general determined from the Stations already inſerted; and although I fancy this Chart will be found tolerably exact, I do not give it as a *Survey*.

In reciting the Materials for the Poſitions of the Iſlands to the Southward of Lantao, I have been, in ſome Meaſure, obliged to anticipate my Journal, coming in from Pedro Blanco, in November 1764. The two laſt Stations, being properly appertaining to that *in Time*, though relative to *the Subject* now diſcuſſed.

The following Bearings refer to a View taken in the Cuddalore, 1760.

View N 13. At 11½ A M. 6th May, 1760, 21 fathoms mud.

1.	Single Iſland	N 17° E
2.	Iſland to the Northward	12.
3.		8.
4.		4.
5.	Tonneang	N 1. W
6.		8.

Ships

Ship's Log 28″ to 42 Feet.

Ship *London*, 1764.

At Sun-riſe 40 Fathom Sand and Ouze.

Nov. 15

H.	Weather.	Winds.	Courſe.	K.	F.	Soundings.
7	Hazey	N N E	N W	2.	5	
8	. . .	. . .	. . .	2.	3	38
9	. . .	. . .	. . .	2.	3	35
10	. . .	. . .	. . .	2.	4	34
11	. . .	. . .	. . .	2.	5	
12	. . .	. . .	. . .	2.	5	32 Sand and Ouze

In the Morning at Day Break, ſaw ſeveral fiſhing Champans, but did not ſee the Land 'till Noon, being very hazey. Juſt after Noon ſaw Pedro Blanco about N W 4 Leagues diſtant.

At Noon Lat. O 22° 20′ Nº (C. Alves)
M Diſtance a Barete in 19° Nº . 4° 55′ W
Dº . dº to Pedro Blanco 5. 5 W

Nov. 16.

H.	Weather.	Winds.	Courſe.	K.	F.	Soundings.
1	Hazey.	N E	N W	3.	.	29. Sand and Ouze.
2	. . . .	N E b E	. . . .	3.	.	24
3	. . . .	. . .	. . . .	3.	4	19
4	. . . .	. . .	NWbN	3.	5	17
5	. . . .	. . .	. . . .	3.	.	15
6	. . . .	. . .	. . . .	3.	.	15
7	. . . .	. . .	NW½W	2.	5	15. 15. 15
8	. . . .	E N E	N N W	2.	5	17. 15. 15
9	. . . .	. . .	N	1.	3	15. 13. 12 At ½ paſt 8 ⚓

Pedro Blanco is delineated in two Views, at 3 PM Nº 8, when bearing N 8° E 1′ diſt. 20 Fath. Ouze, and Nº 9, at ¾ paſt 3, when it bore E 2′ diſt. 17 Fathom Ouze. When it bears Nº it appears divided into two Rocks; the lower Part being much darker than the reſt, in an horizontal Line, when we paſt it at 3 PM, I concluded it was then near low-water: The Top is pretty white.

In

1764. Nov. 16. In the Afternoon the Land was viſible *Weſtward* from *Single Iſland*, to far beyond *Fokai Point* on the *Eaſt*, but ſo hazey that I could not diſtinguiſh *Honghai*, nor even any of the *Rocks*. In the Afternoon we could diſtinguiſh the Iſland, off *Fokai Point*, in the Portugueſe Draught,[a] which Iſland, having no Name in that Draught, we called *Mendoza's Iſland*, from Don Felis Mendoza, who made the Draught. This Iſland we afterwards found is named by the Chineſe *Singſoy*.

At ¼ paſt 5 the View (N° 10) was taken.

1.	Single Iſland	W 1° 0′ S
2.	Diſt.	
3.		W 7. 0 N
4.		14. 0
5.		15. 30
6.		26. 30
7.	Singſoy	33. 0
8.		38. 0
9.	Sink-kŏ	41. 0
10.	Fokai P^t.	N 37. 0 W

At this Time *Pedro Blanco* bore E 39° S, the Soundings 15 Fathom Ouze. The Weather was then ſo hazey that the Land, in the Bottom of the Bay, was not diſtinct. We determined to run in, and anchor under Mendoza's Iſland during the Night; which we did, having 13 and 12 Fathom paſſing to the Weſtward of the Iſland.

At Day-break at ⚓ in 12 Fathom: I took a View (N° 11) which will convey an Idea of *Singſoy*, or *Mendoza's Island*, *Saddle-Island*, called *Sink-kŏ* by the Chineſe, and the Land towards *Ponghy*. The Land

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[a] This Portugueſe Chart is tolerably exact, I got it from Mendoza in November 1761 at Manila, where I met him.

1764. Nov. 16. Land, to the Weſtward of *Fokai*, is very ragged and barren, with ſandy Beaches, ſome of the inland Mountains make in ſharp Peaks, but the Coaſt is, in general, ſo much alike, that a View would not reward the Trouble; the Extreme, to the Left, is a bluff rocky Point, and between it and the *Iſland*, which the Chineſe call *Tapongſung*, there was a *White Rock*; the R Ext. of the Iſland ſeemed to be Part of a more diſtant Land, but it was ſo hazey that I could not determine, nor diſtinctly ſee the other Iſlands in Mendoza's Draught.

The high Land within *Single Iſland* bore W 2° S; the Iſlands are delineated in the View. Some Fiſhermen, who now came aboard for the firſt Time, called the high Iſland *Tonneang*.

Mendoza's Iſland reſembles all the high Iſlands and Hills I have ſeen on the Coaſt of China, that is, very rocky and apparently barren, though with ſome little verdure, *Sink-kŏ* ſeems to be almoſt a *bare rock*, with ſteep Cliffs. Its L Ext. and the R Ext. of the Main, were juſt ſhut in; between that, and the *firſt Little Iſland*, there ſeemed to be Breakers, but incertain whether on the Shoar or not.

View N° 11. Sunriſe 16th November 1764, at ⚓ in 12 Fathom, Mud.

1. .	* 1ſt R Ext.	Singſoo . .	S 20° 15′ E	
2. .	L 4° 45′ Peak			
3. . .	6. 45 L Ext.			
4. . .	19. 30	Singſoy		Alt. 3° 30
5. . .	26. 0			3. 30
6. . .	34. 0			
7. . .	39. 0			
21. . .	102. 20	Pagoda on Hill * 21		

1764. Nov. 16.

✲ 2d Pagoda on Hill . Alt. 0. 30 . E 32° 25′ N
23. . . L 3. 10 Diſt. Land
22. . . 1. 40
20. . . R 0. 50
19. . . 2. 15
18. . . 7. 10 . . . 1. 15
17. . . 8. 50
16. . . 12. 15
15. . . 14. 35 . . . . 1. 10
14. . . 15. 25
13. . . 18. 50 Fokai Pt.

13. . . 18. 50 }
12. . . 22. 5 } 1. 35
11. . . 27. 15 } Sink-kŏ
10. . . . . } 1. 45
9. . . 54. 20 }
8. . . 37. 40 }

24. Tapongſung Point . . . . . W 38. 0 N
25. White Rock 34. 0
26. R Ext. appearing like diſtant Land . . 32. 30

27. Pt } . . . . { 31. 30
28. Peak } Tapongſung Iſland . . . . { 29. 0
29. L Ext. } . . . . { 26. 30

30. Higheſt Part of high Land . . . . W 2. 0 S

31. R Ext. } . . . . { 16. 30
32. Peak } Tonneang . . . . . { 21. 30
33. L Ext. } . . . . { 23. 45

34. . . . . 25. 0

35. } . . . . { 28. 0
36. } { 32. 15

37. } Single Iſland . . . . . . { 39. 0
38. } { 40. 0

H	Weather	Winds	Courſes	K	F	Soundings	
3 9	. . . .	Calm	. . .	.	.	. .	At 7 came aboard many fiſhing Boats
10	. . . .	E N E	Weighed				
11	. . . .	. . .	S S W	1.	.	12. 11½. 11. 12	Soft Ouze
12	. . . .	. . .	S W b S	2.	2	12. 13. 13½	

A M

1764. ov. 16. A M N° Little Iſland and Pagoda Hill E 38° 0′ N

R Ext. Sink-kö and Point under Peak 31. 0

11¾ Ouze { L D° . . . and Pagoda Hill . 40. 0
R Ext. Singſoy . . . . E 12. 30 S

At Noon Lat. O 22° 35′ N 12 ¾ Ouze.

☉ 48° 20′ + 16′ − 4′ = 48° 32 Z D 41° 28′. Decl. 18° 53′ Lat. O 22° 35′ N°

C. Alves 48. 18 . . . . 22. 37

✳ Extreme of the Main in Sight or S° Point Fokai E 26° 30′ N

R 2° 0′ L Ext.
8. 0 Peak
18. 0 R Ext. } Singſoy

L 4. 40 Peak
8. 35
12. 15 } Sink-kö
12. 15 Pagoda Hill
13. 15 L Ext. Pagoda Hill
90. 25 Point of Tapongſung Bay

✳ 2d. White Rock . . . . . N 29° 0′ W

R 2. 20 Point of Tapongſung Bay

L 7. 15
9. 30 } Iſland of Tapongſung
11. 10
32. 20 Peak
54. 30 Higheſt Part of High Land
69. 50
75. 50 } Tonneang Iſland
77. 40
78. 30
81. 10 } Iſland—the R Ext. what ſet from ⚓
82. 10
87. 10 } Iſland to Northward of Single Iſland
98. 20 Peaked Rock, ✳ 3d,

✳ 3d, Peaked Rock per Compaſs . W 35° 30′ S

L 0. 45
1. 20 } Single Iſland (per Compaſs . . 37. 30)
2. 0

H Weather

1764.	H	Weather.	Winds.	Courſe.	K.	F.	Soundings.
Nov. 16.	1	Cloudy	EbN	SWbS	2.	.	13. 13½ ſoft and ſtiff mud
	2	. . .	. . .	SW	2.	.	13. 15
	3	. . .	. . .	. . .	3.	.	
	4	. . .	. . .	WSW	3.	5	16
	5	. . .	SE	. . .	3.	5	15½. 15
	6	. . .	. . .	SWbW	3.	5	14½. 14. 14½. 15
	7	. . .	. . .	SW	3.	.	14. 15½
	7½	. . .	. . .	. . .	1.	2	16. 17. ⚓ at ½ paſt 7 PM

Nov. 17

P M

	L Ext. Singſoy, and So. Point of Fokai	E 28°. 0′N
	R Ext. Iſland, ſouthward of Tonneang, and Tonneang Peak	W 5. 30 N
∸	Peaked Rock, and Single Iſland Peak	S 38. 0W
15.	R Ext. Tonneang	N 33. 0W
	R Ext. Do. and 2 Points of the High Land	28. 0
	R Ext. 1ſt Iſland, to No. of Single Iſland, and High Land	40. 0
16 Fath.	Do. and R Ext. Tonneang	5. 30
16.	R Ext. Tonneang, and L Ext. Iſlands	11. 30
16.	Peak of Singſoy	E 31. 0 N
	Peak of Single Iſland	S 45. 0 E
16.	L Ext. 1ſt Iſland, North^d of Single Iſland, and L Ext. of two Rocks	N 42. 30W
	Peak of Tonneang, and Peak of High Land	32. 0
	L Ext. Do. and L Ext. 1ſt Iſland	33. 0
	L Ext. 1ſt Iſland, and Peak of High Land	30. 0
16.	Do. and Peak of Tonneang	27. 0
	Do. and R Ext. Tonneang	N 22. 0 E

At ¾ paſt 5 PM 14½ Fathoms.

⁎ Peaked Rock	E 12. 0 N
L 14°. 0′ Peak of Singſoy	
39. 40 Peak of Tonneang	
50. 40 Little Rock ⁎ 2d	
73. 40 Peak of High Land	
⁎ 2d Little Rock	N 27. 20 E
L 53. 20 Rock 3′ or 4′ Diſt.	
78. 20 Point 3 or 4 Diſt. (beyond like deep ſound & ſeveral Peaks on oppoſite Side)	
L Ext. Lemas	S 36. 0W
Higheſt Pt. of Gr. Lema	38. 30 We

1764. Nov. 17. We paſſed through between *Single* Iſland, and the 1ſt Iſland to the Northward, having 16 Fath. We left *Peaked Rock* to the Southward of us, paſſing not ½ a Mile from it: The appearance of this Rock when it bore S E is delineated in the View (N°. 12.) There was a white Ripling from hence, half-channel over, towards *Single Iſland*, but I cannot determine whether it was occaſioned by the Tide, or *ſhoal water*, though I imagine by the former; there is a Reef of *Breakers*, ſtretching a little way out, from the Eaſtern Point of *Single Iſland*. The *firſt* Iſland, to the Northward, is of a good height but flat, and apparently the barreneſt hereabout, even the Top being almoſt every where bare rock.

On the Weſtern Part of *Tonneang* there was a Building reſembling a Fortification; whilſt we were in the Channel between *Single Iſland* and that to the Northward, a Boat paſſed cloſe under our Stern and offered to pilot us to Macao; as we did not ſhorten ſail, they could not get aboard, whereupon they ſtood in for the Shoar. A Champan under Sail followed us after we paſſed; ſome Rice and Fiſh had been bought from them in the Morning, but as they had now nothing but Fiſh, we did not ſhorten Sail, and they went away.

There is little difference in the appearance of the Land, to the Weſtward of theſe Iſlands; the Coaſt ſeemed pretty ſtreight, with a long ſandy beach, towards the Weſtward of which there is a ſmall round *rocky Iſland*; beyond this beach the Coaſt rounds off in a rocky Point of high Land, where there ſeems to be a very deep Sound, or perhaps a Channel coming out to the Eaſtward of *Tonneang*. The oppoſite Side all down to the S. Weſtward is high Land, with ſeveral ſharp Peaks and broken Land like Iſlands; but the Hazineſs

1764. Nov. 17. of the Weather, as well as the Courſe we ſteered, did not permit to take many Bearings on that Side. In the Afternoon we ſaw ſome of the Lemas, though not very diſtinctly, the Outermoſt appeared in *three* Hillocks. At ½ paſt 7 PM we anchored, not chuſing to run on in the Night, although it was very diſagreeable lying at Anchor, as there was a very large Sea, from the Eaſtward, which made the Veſſel pitch and labour much.

At Sunriſe at ⇴ 17. ſtiff Mud.

Nine-pin Rock . . . . , .	W 35° 0′ S
Bluff Pt. on an Iſland	10. 0
The Points of the deep Sound (abreaſt of us at Sunſet) .	N 30. 0 W Nº

The laſt being what was ſet at Sunſet N 51° 0′ W

The Weather was ſo hazey that we could not diſtinguiſh the Lemas or Land to the Eaſtward.

H.	Weather.	Winds.	Courſe.	K.	F.	Soundings.
7	Hazey	NE	Sº	.	5	15 ſtiff Mud
8	. . . .	. . .	SSW	1.	2	15
9	. . . .	. . .	. . .	2.	.	15
10	. . . .	. . .	SW	2.	3	15. 16
11	. . . .	. . .	WSW	2.	3	16½
12	. . . .	. . .	SW½S	1.	5	17

Having weighed at ½ paſt 6 AM we ſtood on to the Southward.

AM

R Ext. Nine-Pin Rock, and R. Ext. Nº Ragged Iſland .	W 20° 30′ N
L Ext. Dº . . and Dº	22. 30
R Dº Dº . . and River Iſland Peak . . .	43. 0
L. Ext. Ragged I. and R. Ext. Tat-hong-moon . .	8. 0
L Ext. Dº . . and Iron Point	10. 0

At 11

1764 Nov. 17.

At 11 A M the View No. 13. was taken, Soundings 16 Fath.

1	Nine Pin Rock	N 26°. 0′ W
2		31. 30
3		33. 0
4	Rock, in-ſhoar	40. 0
5	River Iſland	41. 30
6	Rock, in-ſhoar	42. 30
7.		43. 30
8.	Ragged Iſlands	W 44. 0 N
9.		27. 0
10.		23. 0

The Main, behind theſe Iſlands, ragged with many Peaks.

11.	Iron Point	16. 0
12.	Tat-hong-moon	14. 30
13.		6. 0
14.		Weſt
15.		W 16. 30 S
16.	⁕ R Ext. Lo-Chow	20. 0

17.	L 2°. 50′	Peak	D°.
18.	4. 35	L Ext.	
19.	6. 30	R Ext. Pootoy	
20.	7. 30	Song-keo.	
22.	12. 25		
21.	11. 0	Peak Pootoy	
23.	14. 15	Rock	
24.	17. 0	L Ext. Pootoy	

At Noon ⊙ 48°. 21′ + 16′—4′ = 48°. 33′ Z D 41°. 27′ Dec. 19°. 8′ Lat. 22° 19′ N.

C. Alves	48°. 18	22. 22
Mr. *Shiells*	48. 20	22. 20

At Noon Lat. O 22°. 19′ N. 17. Mud.

⁕ Ext. Grand Lemas		S 15°. W
R 10°. 30′	Peak on D°.	
41. 15 46. 20	Waglaang	3 or 4′ Diſt.

1764
Nov. 17.

	* L Ext. Gr. Lemas		S 15° W
R 47. 30	L Ext.	Song-keo	
54. 40	R Ext.		
48. 30	Peak of Pootoy		
56. 0		Lo-Chow	
59. 0			
62. 0			
66. 20	Diſt. Pr. or L Ext. Lamma 9′ or 10′ Diſt.		
67. 30	Point, or L Ext. Fanchin-chow 6 or 7′ Diſt.		
69. 20		Iſlands	
71. 0			
	Ragged Iſlands		N 14° W 5.
	Nine-pin Rock		N 16. E
	* 2d Peak, in one with Point,		N 25. W
L 44° 50′	L Ext. Tat-hong-moon (* 3d)		
	* 3d L Ext. Tat-hong-moon		W 20. N
R 9° 10′	Peak Tat-hong-moon		
18. 20	R Ext. D°		
21. 20	Iron Point		
38. 15	Little Iſland		
44. 50	Peak, (* 2d) and Point		
45. 20	River Iſland Peak		

The ragged Iſlands, which I conceive to be *Nau-pean* and *Wow-chow* of *Yafou*'s Draught, are very rocky and barren; they are what Mendoza's Chart lays down to the Eaſtward of Iron River; their Appearance, at 11 A M, is delineated in the View (N°. 14) and alſo the *Nine-pin Rock*, and another adjacent, both theſe lye to the Eaſtward of the *Ragged Iſlands*; to the Northward the Coaſt ſeems to be compoſed of many broken Iſlands, and in many Places there appear *ſunken Rocks*. To the N W, from *Nine-pin Rock*, there is a *deep Bay*, which ſeemed to have a pretty high Iſland in the Middle, and ſeveral little Iſlands or Rocks. There is between the

Nine-pin

1764. Nov. 17. *Nine-pin Rock* and *Ragged Islands*, one low Rock, and another to the Northward, both ſmall, juſt above Water, with high Breakers. There is a Spit of Breakers running out from the Sº. Point of the *Ragged Islands*.

The Iſlands to the Southward are ill-deſcribed in Mendoza's Draught.

Waglaang is a bare Rock, juſt ſeparated into two. It is called, in the Bearings, [*] *Ragged Iron Island*; *Song-keo* is called *E Iron Island*; *Lochow*, *Peaked Iron Island*; and *Pootoy*, *Great Iron Island*.

All theſe Iſlands are high, but in nothing very remarkable.

Long Iron Island, called *Tat-hong-moon*, in Yafou's Draught, is alſo high.

Yafou, a Canton Pilot, in 1760, gave me a Sketch of the Channel within Lantao, and through the Iſlands, on this Part of the Coaſt of China, which, though very imperfect, and made, I think he ſaid, not from his own experience, but from the report of *others*, was ſufficient to point out the Iſlands in general, from this Draught *Waglaang*, and the other Names are taken.

The *Tſan-tchow* are two ſmall Iſlands, between *Tat-hong-moon* and the Point of *Fanchin-chow*.

	H	Weather	Winds	Courſe	K	F	Soundings
18th.	1	Hazey.	E N E	S W b S	3.	2	17. 18 ſtiff Mud
	2	. . . . . .	. . .	SSW½W	3.	2	18. 19. 20
	3	. . . .	E b N	S W b S	2.	2	19½. 19
				S W b W	1.	3	Came aboard, Hyan, a Pilot
	4	. . . . . .	. . .	W b N	3.	•	18. 17. 16
	5	. . . . . .	. . .	N W½W	3.	•	15. 16. 14½
	6	. . . . . .	. . .	. . . .	3.	•	14. 13. 12½. 12. 11. 10. 9. 8. 7½
	6½	. . . . . .	. . .	N b W	1.	2	7¼. 7. 6½. 6. 6. 6. 6½ ⚓

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[*] I have in printing them, given the *Chineſe* Names. *D*

1764. Nov. 18.

P M

R Ext. Songkeo, and R. Ext. Lo-Chow	W 1° 0′ N
D^{o} . . and R. Waglaang, and 2d P^{t}	5. 0
Peak D^{o} . and Peak of Lo-Chow	2. 0
R Ext. Waglaang, and Point	19. 0
L D^{o}, L Ext. Songkeo, and R Ext. Pootoy	W
L Ext. Pootoy, and Peak Waglaang	W 20. 0 S
L Ext. Songkeo, and R Ext. Lo Chow	W 20. 0 N
L Ext. Waglaang, and R Ext. Songkeo	39. 30
R Ext. Tat-hong-moon, and P^{t} at Noon	E 20. 0 N
L Ext. Lamma, and another P^{t} of Lamma	N 17. 0 W
Sunſet, Mag. Amp. W 21° S Variat. 0° 11′ W	
R Ext. Lamma, and Peak of Lo-chow	E 4. 0 N

In the Afternoon, Hyan, a Chineſe Pilot came aboard, and offered to carry us to the *Boca-Tigris*, we informed him we intended to go within Lantao; he aſked 30 Dollars; being offered 15, he refuſed this Sum, and went away, but came back and agreed to take it; when he firſt came on board, I aſked him the Name of the Iſland we had laſt paſt, he ſaid it was called *Pootoy*; but, taking the alarm on ſeeing the Draught, would not tell the name of any of the others, pretending he did not know: In the Evening he was very importunate to go to the Weſtward, towards Macao; pretending there was no other Paſſage, but finding we perſiſted in going within Lantao, he acknowledged his Ignorance, and deſired us to come to ⚓ at dark, (as we intended) and in the Day he would enquire of the Fiſhermen, as we paſſed, where was the beſt Channel. At our deſire he ſent his Boat for ſome Fowls, &c.

Having

1760. Nov. 18. Having anchored, in the Evening, off Lamma Iſland, we lay there till Morning, when it being calm, we continued at ⚓ till Noon. Lat O per C. Alves 22° 20′ N.

$\underline{\odot}$ 48° 6′ + 16′ — 4′ = 48° 18′ Z D 41° 42′ Dec. 19° 22′ Lat. 22° 20′ N.

Lamma, is a high barren Iſland, with two or three Bays on the South and S E Sides, and a pretty large one on the Weſt or N W. The ſouthern Part lies E and Weſt, and the S W and W Points N 17° W.

At ⚓ in 6½ Fath. the View N° 5. was taken. Vide P. 18.

		K.	F.
At 10 P M	Tide N N W	1.	3.
5 A M	. S°	1.	0.

P M weighed.

Nov. 19.

H	Weather	Winds	Courſe	K. F		Soundings	
1	Hazey	E b S	N	. .		6¼. 5¾. ſoft.	
2	. . .	. . .	N E b N	. .		6. 6. 6½. 6. 5½. 6	Soft Ground
3	. . .	. . .	. . .	. .		6. 6¼. 6¼. 6½. 7. 7½	
4	. . .	E	N ½ E	. .		7¾. 8. 8½. 9½. 10. 11	
5	. . .	. . .	N N W	. .		12. 12¼. 12½. 12¾. 13.	
6	. . .	. . .	. . .	. .	rocky	15. 16½. 16¾. 18. 19. 20. 19½. 21. 22	
7	. . .	. . .	W	. .		23. 21. 20. 19½. 18. 16. 15½. 16. 19. 20. 25. 29	
8	. . .	. . .	W b S	. .		Anchored with Stream ⚓ in 28	
9	. . .	. . .	Tide E	2 .			
2	. . .	. . .	Slack Water	. .			
3	. . .	. . .	Tide W	2 .			

Having weighed after Noon, we ſtood for the Channel within *Lantao*; there are *two*, made by an Iſland named *Cowhee*. No. 7. is a View of this Iſland coming from the Southward. We paſſed the wideſt Channel, which is that to the *Eaſt* of *Cowhee*, but being dark we had not an Opportunity to be minute in our Obſervations. There is a Rock juſt above Water off the *Eaſtern* Point of *Cowhee*, and a *ſmall Iſland* cloſe to the South Point. On the oppoſite Shoar

1764. Nov. 19. to the *Eaſtward*, there is a very remarkable *Gap* in the Cliff. We deepened our Water as we approached the Channel, and had upwards of 20 Fath. rocky Ground in it; according to the Pilot's Account there is *deeper* Water in ſome Places, and ſtrong Eddies; he deſcribed the *Iſland Side* to be moſt *rocky*; the narrow Channel he informed us had the ſame kind of Ground and Depth, but the Tides are more rapid. [a] We drove through the large Channel with the Tide, and came to an ⚓, in the Night, within the Point, from whence we weighed again before Day-light in the Morning.

H	Weather	Wind	Courſe	K.F	Soundings
6	Weighed	E b N	. . . .	. .	
7	. . . .		W b N	. .	28 to 20 to 16½ rocky Ground
8	⚓ in 6 Fath.	. . . .	. . . .	. .	16, gradually to 6, coarſe Sand and broken Shells.
9	. . . .		Tide E b S	2 .	

After doubling the Point of *Cowhee*, there is, to the Northward, a deep Bay, with a Village at the Bottom of it; and, 'tis ſaid, there is a Channel, out this way to the Eaſtward, for ſmall Veſſels.

To the Weſtward of a Point, on that Side, are two other Vallies, with Houſes and Cattle, but, in general, the Land is very barren, being ſandy Hills and craggy rocks. The Iſland *Cowhee* has ſome cultivated Vallies and Houſes, but we did not perceive any from the Sea.

In the Forenoon the Tide being done, we anchored in 6 Fath. Sand and broken Shells.

About 11 A M, having, for a Dollar, hired one of the Boats attending the Pilot, I went in it with Capt. Alves to *Cowhee*.

The

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[a] From the Top of *Cowhee*, whither I went next Day, Appearances were very conformable to the Pilot's Report; though it does not ſeem impracticable to paſs either Channel.

1764. Nov. 19. The Bearings from our ⚓, off Lamma, in 6½; to our ⚓, this Day, in 6 Fath. were,

P M.

	R Ext. Nakow-Chow Iſlands, and L Ext. Taipak	N 43°. 0 W
	L Ext. Chang-Chow, and higheſt Part of Chichow	W 33. 30 S
	L Ext. Nakow-Chow, and Lantao Peak	W 3. 30 N
	R Ext. Chang-Chow Iſlands, and L. of a high Iſland, and diſtant Hummock Iſld.	W 17. 30 S
	R Ext. of that high Iſland, and L Ext. Nakow-Chew	0. 45
Soundings	R Ext. Lamma, & R Ext. E. Lema, in View N° 5.	S 18. 0 E
5½	D° . . . and rocky Point Lamma	17. 0
	R Ext. W. Nakow-Chow, and L Ext. E. Nakow-Chow	W 13. 0 N
5½	R Ext. S° Chang-Chow, and Chichow	W 35. 30 S
6	L Ext. Lamma, and R Ext. Fanchin-Chow	E 33. 0 S
6½	R Ext. Pſang-Chow, and Entrance Point	N 23. 0 W
	Lantao Peak, and L Ext. E. Nakow-Chow	W 3. 0 S
	N. E. Coaſt of Lamma	E 43. 0 S
	L Ext. Pſang-chow, and Siupak	W 28. 30 N 20. 30
	D° . and R Ext. Taipak	20. 30
	L Ext. High Iſland, and L Ext. W. Nakow-Chow	W 34. 0 S
	R Ext. Nakow-Chow Iſlands	16. 0
	L Ext. Pſang-Chow, and Peak Taipak	W 4. 0 N
	D° . and L Ext. D°	W 3. 0 S
	L Ext. N° Chang-Chow, and R Ext. S° Chang-Chow	S 42. 0 W
	R Ext. Pſang-Chow, and R Ext. Taipak	W 8. 30 N
	D° . . and R Ext. Siupak	8. 0
	D° . . and L D°	3. 30
	L Ext. D° . and a Point on Lantao Iſland	W 16. 30 S
	R Ext. D° . and Peak Taipak	4. 45
8½	D° . . and L Ext. D°, and Lantao middle Peak	14. 30
	L D° . and R Ext. W. Nakow-Chow	23. 0
9½	L Ext. Pſang-Chow, and R Ext. E. Nakow-Chow	32. 0
10	R D° . . and a Point, on Lantao Iſland	22. 0

Soundings		
10 ..	L Ext. W. Nakow-Chow, and R Ext. Nº Chang-Chow	S 42° 30′W
10½ ..	L Ext. Pſang-Chow, and L Ext. E. Nakow-Chow	W 43. 30 S
11 ..	Peak Taipak } and Siupak	16. 30
12½ ..	Dº } and Siupak	23. 30
	R Ext. Typak howe, and L Ext. Lamma	S 31. 45 E
	R Ext. Pſang-Chow, and L Ext. E. Nakow-Chow	S 37. 0W
12½ ..	L Dº. and L Ext. Chang-Chow	27. 45
12½ ..	R Dº, and L Ext. W. Nakow-Chow	29. 0
	R Ext. Siupak, and L Ext. Taipak	W 38. 30 S
13 ..	L Dº, and R Ext. W. Nakow-Chow	S 45. 0W
	L Ext. Pſang-Chow, and Peak of Ling-ting	13. 45
16¾ ..	R Dº and L Ext. Chang-Chow	21. 30
	L Ext. W. Nakow-Chow, and L Ext. E. Nakow-Chow	27. 0
20 ..	R Dº and L Ext. Taipak	39. 0
19½ ..	R Ext. Pſang-Chow, and Ling-ting Peak	13. 0

AM

	Nº Entrance Point, and L Ext. Iſland	W 7. 0N
	Dº and farther Pt.	8. 0
Rocky	R Ext. *Little Cowhee*, and Pt. of Lantao, which forms the narrow Channel,	E 32. 30 S
20 ..	L Ext. Cowhee	E 5. 0N
	R Dº and Point on Chinfalo	E 25. 30 S
	Nº Entrance Point, and Iſland, between it and farther Point,	W 16. 0N
	This has ſome Rocks without it, and a Point within, ſeeming to form a deep Bay, between it and *farther* Point.	
Sand	Nº Entrance Point, 1′ Diſt., and *two* Points beyond, the fartheſt 6′ Diſt.	E 15. 0N
7½ ..	R Ext. E. Botow and R Ext. W. Botow	W 26. 30 S
	R Ext. W. Dº and Sº Entrance Point	27. 0
5¾ ..	Nº Entrance Pt. and Nº Pt. Chinfalo	E 8. 0N

19th

1764. Nov. 19. 19th Nov. 1764, Sunriſe. At ⟴ in 6 Fath. Sand and Shells. The View N° 16. was taken, the Bearings were.

✻			n	L Ext. Tſa-chow,	W 6° 0′ S
R	2°	35′	o	Tſa-chow Iſlands 6′ or 7′ Diſt.	
	4.	25	p		
	5.	50	q		
	7.	0	r		
	15.	40	s	L Ext. Loonkoo	
	19.	50	t	*Obſervation* Point	
	20.	15	u	Peak of Loonkoo	
	45.	40		Peak, miſtaken for Lintin,	
	47.	20		Rock	
	50.	5			
	50.	40		Iſland	
	58.	50			
	64.	50		Point	
L	21.	5	m	R Ext. of Long Iſland	called, Chulapko. 3′½ or 4′ diſt.
	22.	30	l	R Ext. Ragged Iſland	
	23.	30	k	R Ext. W. Brother 2′ Diſt.	called, Botow.
	29.	50		L Ext.	
	29.	50	i	R Ext. E. D° 1′	
	38.	30	h	L Ext.	
	40.	10		Point 5′ Diſt., and Peak g, on Lantao Iſland,	
	43.	50	ff	Rock, Tyſa 1′ diſtant	
	45.	30			
	47.	25	L	Lantao Peak	Alt. 3° 40′
	58.	15		E. Peak	
	61.	30		Point 4′ Diſt.	
	79.	5		Iſland	
	84.	30			
✻	2d			L Ext. Cowhee, D,	E 3° 30′N
L	2°	40′		(a) N° Entrance Point, called Talanko,	
	45.	15		Ragged Point	
R	10.	20		(b) E. Point, Lantao,	
	42.	0		Iſland	
	45.	30			
	50.	10		Point	

Having ſet out, about 11 A M, in a Chineſe Boat for *Cowhee*, we rowed in with the *Hill* near the L Extreme, where we landed at a Net-hut,

1764.
Nov. 19. a Net-hut, and walked up the Hill, but not having a diſtinct View of the Iſlands without *Lantao*, we went acroſs the Iſland to the *higheſt Hill*, which is near the *ſouthern* Part of *Cowhee*: There are ſeveral Vallies and ſome Houſes, the Land well cultivated and extremely pleaſant: The Chineſe Man, belonging to the Boat, accompanied us, and, before we reached the Hill, we were attended by a dozen of the Country People, who ſhewed great Curioſity, but no Rudeneſs; on the contrary, one voluntarily held the Top of the Compaſs-box, whilſt I drew a View of the Iſlands upon it; this View is N 4 (Vide Page 20.) All of them were very officious in their Civilities.

Having taken the Bearings, we returned to the Shoar, and embarked at a ſandy Bay, on the *Weſtern* Point, where there is a *Joſs-Houſe*, at which the Boat-man paid his Devotions to the Idol, which was the Figure of a Woman, but rudely executed. There is a fine ſpring of freſh water at the Bottom of this Bay; and ſome *Guavoe* and *Caldera* Buſhes at the *Joſs-Houſe*. The Iſland is covered with dry Graſs, there are very few Shrubs, ſome a kind of Sorrel, the Leaves of a very pleaſant Acid; others the Berry which grows on the Iſlands near Macao, but here, the Fruit very few in Number.

From the Hill, whence our Bearings were taken, although we ſaw Loonkoo and ſome of the Iſlands, *Lantao* Peak and the Points on the NW Side were not viſible; but from the other End of *Cowhee* the extreme was nearly in one with the *two* Points, *like*, Iſlands if *not* ſuch, and the diſtant Point.

Returning towards the Ship, we landed on what was the Extreme from our anchoring in 6 Fath. (marked t in View N° 16.) To the *Eaſtward* of the Point, is a fine ſteep ſandy Beach, where we landed

1764. Nov. 20. landed and took the Bearings, from the Rocks above the Point; (vide View N° 17.) The Beach on both Sides is ſmall Gravel. Beyond the Point, which was the Extreme from hence, there is a very rocky Point, but not high, and within it, ſeemingly, a good Cove for Boats.

Aſhoar on *Obſervation* Point, 20th Nov. 1764. View N° 17.

* L Ext. Tſa-chow, n, ... W 26° 30′ S.

R 1° 0′	a		Tſa-chow Iſlands
5. 10	b		
6. 20	c		
7. 30	d		
9. 30	e		
11. 30	f		
12. 40	g		
14. 0	h		
18. 20	i		
19. 20	k		
22. 40	l		
31. 30	m		
36. 10	o		Loonkoo
38. 0	p		
40. 50	q		
42. 30	r		
43. 20	s	L Ext. Lintin	
45. 0	t	Point	
46. 30	u	Peak of Lintin	
55. 30	.	Bottom of Bay	
L 25. 25	1.	R Ext. of Lantao Iſland * 2d	
		* 2d 1. R Ext. Lantao Iſland. . .	S 38. 5 W
L 3. 50	2.		
6. 50	3.		
8. 20	4.		
10. 0	5.	Iſland	
13. 10	6.		
14. 30	7.	R Ext. Long Iſland, Chulapko	
27. 40	.	Lantao Peak	
27. 40	8.	Like an Iſland	
31. 45	10.		
30. 35	9.	Peak of Long Iſland	Chulapko
36. 50	11.	Ragged Iſland . .	
38. 50	12.		
41. 50	13.		

L.

* 2d

1764. Nov. 20.

✳ 2d	1	R Ext. Lantao Iſland	S 38° 5'W
L 43. 0	. .	Lantao E. Peak	
68. 0	. 14.	W. Brother, or Botow	
73. 20	. 15.		
79. 0	. 16.	Tyſa ✳ 3d	
80. 50	. .	A Point	
86. 15	. 17.	E Brother, or Botow	
94. 0	. 18.		
✳ 3d		Tyſa.	S 40. 55 E
L 18. 10	. .	Point	
25. 25	. .	Peak	
26. 0		Iſland	
27. 20			
38. 15		Entrance Point	
38. 0		Obſervation Hill, on Cowhee	
41. 35		Nº Entrance Point	
43. 15		Point	
45. 25		Ragged Point	
49. 30		Point	

It was dark before we got up with the Ship, which was at ⚓ in 17 Fath.

H	Weather	Winds	Courſe	K F	Soundings	
1	Hazey	S E	Weighed	. .	From 6 Fath.	
2	. . . .	. . .	W ½ N	. .	6. 6. 6½. 7. 7½. 7½. 7¾ Sand	
3	. . . .	W b N	S W b S	. .	8. 8½. 9 ſtiff Clay	
4	. . . .	. . .	N b W	. .	9½. 10. 11. 12. 12½. 13. 13½	Mud
5	. . . .	S W b S	N W b W	. .	14. 15. 16. 16½. 17 ⚓	
6	Tide	. . .	N N W	2. .		
9	Slack Water	S S E				
10	Tide	. . .	S S E	2. .		
4	Slack Water					
6	Tide	. . .	N N W	. .		
7	Weighed	N E b E				
8	. . . .	. . .	N b W	. .	17. 16½. 16. 15. 14. 13. 12. 11. 10. 9½. 9. 8¾	
9	. . . .	N E	N N W	. .	8. 7½. 7¾. 6¾. 6¼. 6¼. 6½. ⚓	
11	Tide	. . .	S S E ½ E	1. 4		

Sunriſe

1764.
Nov. 20.

Sunriſe 20th Nov. 1764. At ⚓ in 17 Fath Mud.

View Nº 18.

		✳ Great Mew			N 38°. 30′ W
R	15°. 10′	f L Ext.	Peaked Singan	(in Chart) 4′ or 4′ ½ diſ.	
	15. 30	s Peak			
	17. 30	r Hummock Singan			
	20. 35	t Peak of Great Singan			
	22. 40	e R Ext. Dº			
	24. 25	d 4′ diſtant	Caſtle Land		
	35. 10	p Peak			
	37. 40	c 3′ diſt.			
	53. 0	w diſtant Gap-Mountain, beyond			
	53. 30	b 3′ or 4′ diſt.			
	67. 10	a 3′ or 4′ diſt.			

To the Right of this, Land at a Diſtance in the Bottom of the Bay.

	88. 50	z Point 5′ or 6′ diſtant			
	94. 10	y Point 2′ ½ diſtant			
		x Point 1′ ½ or 2′ diſtant			E 28°. 30′ N
		Point 1′			20. 30
L	1. 15	g Little Mew			
	34. 15	h R Ext. (✳ 2d)		Lintin 2½′ or 3′ diſtant	
	44. 10	i Peak	Alt. 2°. 25′		
	52. 0	k L Ext.			
		✳ 2d. R Ext. Lintin			N 72. 45 W
L	86. 45	l diſtant Land ✳ 3d, ſuppoſed Longſhitow.			
		✳ 3d. Diſtant Land, ſuppoſed Longſhitow.			S 20. 30 W
L	0. 25	1. R Ext.	Loonkoo Iſland ¾′ or 1′ diſtant		
	3. 10	2. 1ſt Peak			
	18. 20	3. Gr. Peak			
	21. 35	4. L. Ext.			
	21. 35	4.	Tſa-chow *Gap* Iſland		
	23. 10	5. Gap			
	24. 45	6.			
	24. 45	6.	*Peaked* Tſa-chow		
	25. 40	7. Peak			
	27. 25	8.			
	33. 0	Lantao Peak, Alt. 3°. 10′			
	33. 0	Iſland ſet from Point laſt Night			

1764.
Nov. 20.

	* 3d Diſtant Land, ſuppoſed Longſhitow	S 20° 30′ W
L 39° 15′	Point	
42. 40 54. 20	Long Iſland	Chulapko
54. 20 57. 10	Ragged Iſland	
67. 25 69. 45	W. Brother, or Botow	
72. 50	Extreme Point from *Obſervation* Point laſt Night.	

After Sunriſe weighed, and ⚓ again in the Forenoon, the Tide being done.

A M.

Soundings		
	L Ext. Loonkoo, and Peak of Tſa-chow	S 6° 45′ E
	D° . and L Ext. D°	. 10. 0
12 Fa.	R D° . . . and Ragged Rock	S 6. 30 W 5. 15
	Lantao Peak, and Rock off Loonkoo	S 13. 0 E
	D° . . and L Ext. Loonkoo	. 13. 45
8 Mud	* Lantao Peak, and Peak of Loonkoo R 99. 40 Lintin Peak	S 14. 0 E
	Pᵗ. and L Ext. W. Brother	E 43. 30 S
6¾ . .	* Lantao Peak R 75. 30 Lintin Peak	S 14. 15 E

⚓ in 6½ Fathom Mud. View N 19.

	* Peak of Iſland, off W End Lantao Iſland	S 3° 30 W
L 107° 40′	Point	
83. 45	Falſe Lantao	Alt. 2° 0′
56. 45	Peak, miſtaken for Lintin,	Alt. 2. 40
43. 15	Pᵗ	1.
39. 10		2.
34. 45 33. 45	Chulapko	3. 4.
33. 35	L Ext. Long D°	5.
32. 35	Peak on Lantao	6.

27.

1764			✻ Peak of Iſland, off W. End of Lantao		S 3° 20′ W
Nov. 20.	L	27. 30	E. Peak of Lantao	7.	Alt. 2° 5′
		27. 10	R Ext. Long Iſland	8.	
		23. 30		9.	
		21. 50	L Ext. Loonkoo	10.	
		21. 0		11.	
		19. 10	Lantao Peak	12.	Alt. 2. 15.
		18. 30		13.	
		17. 30		14.	
		16. 45	Gap Rock, at R Ext. Loonkoo,	15.	
		12. 25	Rock	16.	
		6. 10		17.	
		2. 0		18.	
		1. 15		19.	
	R	0. 50		20.	
		1. 0		21.	
		1. 30		22.	
		2. 15	Peak of Longſhitow	23.	
		4. 10	R Ext. D°	24.	
		5. 50		25.	
		6. 50		26.	
		7. 25	Gap of Laf-ſammee	27.	
		10. 15	Gr. Ladron Peak	28.	Alt. 0. 20
		19. 10	Chang-chow, &c.	29.	
		21. 0		30.	
		30. 45	L Ext. Lintin	31.	
		44. 10	Peak	32.	Alt. 2. 50
		53. 0		33.	
		60. 10	R Ext. ✻ 2d	34.	
			✻ 2d R Ext. Lintin		S 37. 30 W
	R	63. 0	Little Mew ✻ 3d	35.	
		64. 10	Great Mew	36.	
		94. 30	Peak, of Peaked Singan,	38.	

1764.			✱ 3d Little Mew.			W 10° 30′ N
Nov. 20.	R 31° 40′	L Ext.	Peaked Singan	*vide Chart.* s	37.	
	32. 50	Peak			38.	
	35. 0	R Ext.			39.	
	35. 0	.	Hummock D°	r	39.	
	37. 20	.			40.	
	38. 30	.			41.	
	42. 40	Peak	Great D°	t	42.	
	47. 5	.			43.	
	Point on Caſtle Land		. .	a	. .	E 23° 0′ N
			. .	b	. . .	25. 30 N
			. .	c	. . .	32. 0
			Caſtle Land Peak	d	. .	N 31. 0 E
			Extreme		. . . .	13. 30

	H	Weather	Winds	Courſe	K	Soundings
21ſt.	2½	Hazey	S W	Weighed	.	
	3	. . . .	. . . .	N W	.	6. 6. 6. 6. 6½. 7. 7½. Sand and Mud
	4	. . . .	Variable	. . . .	.	8. 6. 6. Sand and Mud, 5¾ courſe Sand, ſmall Stones and broken Shells
	5	. . . .	. . . .	N W b W	.	5½. 5¼. 5. 4. 3½. 3¼. 3¾. 4 D°
	5½	⚓ in 3¾ coarſe Sand and Shells				
	10	Tide S E	. . . .	. . . .	2	
	7	Weighed	. . . .	. . . .	.	Checking to the Eaſtward into deeper Water
	8	. . . .	N N E	E S E	.	3¾. 4. 3¾. 4. 4¼. 4½. Sand & broken Shells 5. 5. 5½ 5½ Sand & Ouze
	9	. . . .	. . . .	N W b W	.	5¾. 6. 6 — Various Soundings, ſometimes Sand and Shells. ſometimes Mud.
	10	. . . .	Calm	. . . .	.	6¼. 6. 5½. 5
	11	⚓ in 4½ Sand, Ouze and Shells			.	4¾. 4½

Weighed in the Afternoon, with a faint breeze and young Flood, we drove but little to the Weſtward of the *Singan* Iſlands, which we paſſed, within a Quarter of a Mile, in 6 and 8 Fathom Mud. After Sunſet, being near the Situation of the *Eaſtern* Bank, on ſome Part whereof there is only 2 Fathom, according to the Draught, we ſhoalened to 5, and preſently to 4 Fathom, coarſe Sand, a little to the

1764, Nov. 21. the NW, the Boat having only 3 Fathom; upon this we ⚓, and ſent the Boat to ſound in-ſhoar, They found the *Sand* Soundings continued a conſiderable Way, but the Water depened gradually to the Eaſtward, and in-ſhoar, at about a Mile Diſtance from the Ship, they had 6 Fath. Mud. Returning from the Northward aboard they again found the *Sand-bank*, which ſhoalend as they approached the Ship. This evinced that we were, as I had imagined, too far to the Weſtward, being by our Bearings on the *Eaſt* Bank.

The Pilot *Yafou* had informed me, that what is named *Lintin Bar*, was no *Bar*, but only ſome *Banks*, over which they carry the Ships; but the only Draught in which I ever ſaw them laid down, is a MS Engliſh Draught of Canton River, which I received at Canton, in 1760, from Capt. Smith, of the C^{t.} Molk, a Daniſh Indiaman; this Draught ſeems to be originally Dutch, and is far from being exact, though I think preferable to that in Du-Halde.

In the Afternoon the following Bearings were taken.

Soundings.		
	R Ext. Loonkoo, and Rock	S 14° 45′ E
	D° and Lantao Peak	16. 45
6 Fath.	Little Mew, and Great Mew	W 24. 15 N 18. 45
	R Ext. Hum. and R Ext. Great, Singan Iſland	N 25. 0 E
	R Ext. Lintin, and Montania Peak	S 39. 0 W
	L E D°, and Gr. Ladron Peak	11. 15
8 Fath.	L Ext. Hum. and Peak of Gr. Singan Iſland	N 23. 0 E
	R Ext. Peaked Singan, and S° Point Singan Bay	E 14. 30 N
	R Ext. Hum. D°. and Caſtle Land Peak	E 16. 0 S
6½ Fath.	R Ext. Great, and L Ext. Peaked, Singan Iſland	E 12. 30 N
	D° and S° P^{t.} Bay	7. 30
	R Ext. Peaked, and R Ext. Hum. Singan Iſland	E 33. 0 S
	D° and Outer Point Singan	37. 0
5½	Great Mew, and Montania Peak	S 34. 0 W
5¼ *Mud*	Great Mew	28. 30
	Lintin Peak	8. 30

At

1764. Nov. 21.

At Sunriſe in the Morning at ↔ in 3¾ Sand. View Nº 20.

			*			S 4°. 0 E
R	5°	15′	L Ext. (* 2d)	Lintin	1.	
	11.	30	Peak		2.	Alt. 1° 30′
	23.	20	R Ex.		3.	
	25.	0	Great Mew		4.	
	32.	40	Little Mew		5.	
			* 2d L Ext. Lintin			S 1. 15 W
R	33.	5	Montania Peak			
L	1.	25	Peak of Longſhitow			
	4.	15	Ext. of Lantao Iſland			
	19.	50	Lantao Peak			1. 30
	21.	25	R Ext. Tſa-chow			
	22.	0	Loonkoo			
	23.	30				
	25.	30	E. Peak Lantao			
	32.	30	Entrance Point			
	34.	0	Point			
	35.	40	Peaked Singan		*vide Chart* s	
	38.	0				
	42.	0				
	42.	0	Hum. Singan		r	
	43.	45				
	43.	40	Peak, miſtaken for Lintin,			
	47.	45	Sº Pt. Caſtle Land			
	50.	20	Caſtle Land Peak			
	58.	20	Great Singan Iſland		t	
	63.	35				
	78.	25				
	85.	30	Sº Pt. Singan Bay * 3d			
			* 3d Sº Pt. Singan Bay,		(per Compas)	E 5° 15′ S
L	48.	0	Flat Singan		w	
	52.	0				
	55.	0	Nº Singan		x	
	60.	50				
	62.	50	Great Nº Singan		v	
	75.	25				
	89.	40	Point			
Reef Iſland					u	N 5° 45′ W 8. 0
Reef						10. 30

After

1764. Nov. 21. After Sunriſe weighed and ſtood in-ſhoar, but, driving with the Tide to the Northward, we were a long time in getting off the Sand-bank, though we preſently deepened to 4 Fathom, which we ſcarce increaſed till almoſt off the Bank; when we got into *Mud* Soundings, we wore and ſtood to the Northward, paſſing *Reef Island*, within leſs than ½ a Mile Diſtance, in 5 Fathom Mud; having altered our Soundings to *Mud mixed with Sand and Shells*, and ſhoalend ſometimes to 4½ Fathom, very irregularly from *Mud*, to *Sand and Mud*, and then *Mud* again, for a long Time. The Bearings will expreſs the Places better than many Words.

About 10 AM we came to an ⚓ in 5 Fathom Mud and Shells, the Tide being done, and a light Breeze blowing down the River.

Off *Reef Island* were vaſt Numbers of Fiſhing-boats, ſome of which came off, and, as we underſtood from their Signs, offered to Pilot us, but we did not employ any of them; there were alſo many Bamboe Logs, or Catamarans, with a Maſt and Sail and a *Lee-Board*, the Bamboes were remarkably thick and ſhort jointed; they all had a Cott-frame and Bed abaft the Maſt.

1764.
Nov. 21.

In the Forenoon the following Bearings were taken:

4 Fath.	*Sand*	* R Ext. Peaked Singan, and Extreme Point,	S 31° 30′ E
		R 52. 50 Great Mew	
5		* Lantao	18. 0
		R 26. 20 Lintin Peak	
		41. 10 Great Mew	
		R Ext. Peaked Singan, and E Lantao Peak	23. 30
5¾		R Ext. Great D° and S° Pt. Castle Land	42. 30
5¾	*Mud*	* Lantao	19. 0
		R 26. 35 Lintin Peak	
		41. 50 Great Mew	
4½	*Sand*	* Lantao Peak	15. 30
		R 37. 50 Great Mew	
		26. 40 Lintin Peak	
		R Ext. Lintin, and Great Mew	S 18. 15 W
4½	*Mud*	* Lantao	S 16. 45 E
		R 34. 50 Great Mew	
		24. 50 Lintin Peak	
		R Ext. Great N° Singan, and R Ext. N° Singan	E 39. 0 N
		D° and R Ext. Flat D°	27. 0
		L Ext. Great Singan, and Peak Castle Land	E 42. 0 S
		R Ext. Lintin, and Little Mew	S 15. 0 W
6	*Mud*	R Ext. Reef Island, ½ Dist., and L Ext. Great North Singan	E 15. 30 N
		L Ext. D° and D°	13. 30
5		* Lintin Peak, and Great Mew	S 1. 30 W
		L 20. 20 Lantao Peak	
		L Ext. Reef Island, and R Ext. Great Singan	E 12. 30 S
		Lintin Peak, and Little Mew	S 1. 30 E
5		L Ext. Lintin, and R Ext. Lantao, and Great Mew	6. 0
5		R Ext. D° and Great Ladron Peak	S 16. 15 W
4¾	*Sand*	* Lantao Peak	S 18. 45 E
		R 12. 0 Great Mew	
		17. 10 Lintin Peak	
4½	*Mud Sand & Shells*	* Lantao Peak	20. 45
		R 16. 0 Lintin Peak	
		26. 15 Great Ladron Peak	

At

1764.
Nov. 21.

At Noon at ⚓ in 5 Mud and Shells.

47°. 18′ Z D 42°. 42′ Decl. 20. 3. Lat. O 22°. 39′ N

At ⚓ in 5 Fath. View N°. 21.

			✳ R Ext. Lintin		S 3°. 45′ W
L	8.	20	Peak D°.		Alt. 1°. 15′
	11.	10	Little Mew		
	12.	10	L Ext. Lintin		
	14.	15	Gr. Mew		
	24.	20	Lantao Peak		1. 25
	26.	30		Loonkoo	
	28.	15			
	29.	30	E. Lantao Peak		1. 15
	35.	40	Ext.		
	36.	0	Point		*vide Chart.*
1.	37.	20	R Ext.	Peaked Singan	s
2.	38.	0	Peak		
3.	38.	20	L Ext.		
4.	39.	20	L Ext.	Hum. Singan	r
5.	42.	45	R Ext.	Great Singan	t
6.	45.	30	Peak		
7.	47.	30	L Ext.		
	44.	40	Peak miſtaken for Lintin		1. 15
	49.	20	Caſtle Land Peak		1. 20
8.	51.	20	Reef, off Reef Iſland,		
9.	52.	40		Reef Iſland	u
10.	54.	40			
11.	62.	50		Great N°. Singan	v
12.	66.	35			
13.	70.	15			
	67.	0	Falſe Lantao		1. 20
14.	82.	25	R Ext.	and Diſtant Peak Flat Singan	w
15.	85.	20			
16.	87.	40	L Ext.		
17.	88.	45	L Ext.	N°. Singan x (per Compas E 0°. 45′ S)	
18.	92.	40	R Ext.		
R	2.	0	Gr. Ladron		
	25.	15	Montania Peak		
			✳ 2d L Ext. N°. Singan		E 0. 45 S
L	92.	30	Ext. Point on E. Side		

At

1760.
Nov. 22.

At 4 P M weighed with the Wind at S S W.

H	Winds	Courſe	K	Soundings	
5	S S W	N W	•	4. 5. 4½. 5½. 5¼. 5. 5¼. 5½. 6. 6½. 6	Some caſts hard, ſome ſoft.
6	. . . .	N W ½ W	•	6. 6. 6. 6¼. 6½. 6¾. 7. 7. 6¾ 6	
7	. . . .		•	7. 7½. 8. 8½.	Mud
8	Calm	. . . . .	•	9. 9. 9½. 10. 10. 10½	
9	⚓ in 10½ Fa.		•		
10	Tide	N N W	2		
7	Weighed				
	N E	N N W	•	10½. 9. 7. 7. 6½. 7. 6. 5. 4½. 4¾. 5. 5¼. 4. 4. 4½. 5	

P M the following Bearings were taken.

4. Mud R Ext. Lintin, and Little Mew . . . . S 8°. 45′ E

5 D°.
* Lantao Peak 21. 0
R 6°. 30′ Gr. Mew
14. 5 Lintin Peak
26. 0 Gr. Ladron Peak

6½ D°.
* Lantao Peak, and Gr. Mew 23. 15
R 9. 20 Lintin Peak
25. 30 Gr. Ladron Peak
L 12. 55 Peak, of Peaked Singan
20. 30 Peak of Caſtle Land, and Reef Iſland

At Anchor in 9 Fath. Mud. Sunriſe 22d Nov. 1764, near the Boca Tigris. N°. 22.

* Lintin Peak . . . . . . S 24°. E
L 3°. 20′ Lantao Peak
6. 25 E. Peak D°. . . .
14. 50 Peak, miſtaken for Lintin,
29. 25 Falſe Lantao
1. R 3. 0
2. 4. 30
3. 5. 15
4. 6. 40
5. R 12. 10
6. 15. 50

1764 Nov. 22.		✻ Lintin Peak	S 24° E
	7. R 20° 10′ 8. 22. 30	}	
	9. 23. 0		
	10. 25. 0		
	11. 26. 0		
	12. 29. 10		
	13. 31. 0		
	14. 33. 25		
	64. 40 66. 10	} Fiſhing Stakes	
		✻ 2d L Ext. of Land on E Side of Boca-Tigris . .	N 28° W
	27. L 7. 40	R Ext. Tyger Iſland	
	26. 8. 30		
	25. 10. 0	Tree Fort	
	24. 11. 5	Gap of Tyger Iſland	
	23. 13. 15		
	22. 14. 0		
	21. 17. 30		
	20. 26. 10		
	19. 37. 0		
	18. 54. 30		
	17. 58. 0		
	16. 60. 15		
	15. 62. 0		
	28. R. 2. 45	Caſtle	
	29. 5. 10	Hill above it	
	41. 0	Little Iſland, ✻ 3d	N 13° E
	44. 0	2d Point, 3 or 4′ Diſt.	
	51. 30	3d D° . 1′	
		✻ 3d Little Iſland	
	R 74. 20	4th Point, or R Ext. 1′½ Diſt.	
		O	22d.

1764.
Nov. 22.

22d Nov. 1764, weighed after Sunriſe.

Soundings.		
7. Fath.	Iſland, 1ſt Point, and R Ext. Fiſhing Stakes . .	N 25° 0′ E
7. . .	2d Point . and D°	E 33. 45 N
	Point (in one with Hill) and Iſland . . .	S 36. 15 W 29. 0
8. . .	R Ext. Caſtle Iſland, and R Ext. Tyger Iſland .	N 38. 0 W
10. . .	D° . . and Gap D°	. 43. 0
14. . .	R Ext. Caſtle Rock, and R Ext. Tyger Iſland .	. 40. 30

The *Southern Land*, on the *Eaſt Side* of the *Boca-Tigris*, is an *Island*, ſeemingly with a deep Channel. There is a *flat Rock*, off *Caſtle Island*, probably joined to it by a Reef, which we rounded very near in 17 Fathom; and in paſſing Tyger Iſland, the Tide huſtling us to the Eaſtward, we had one Caſt ſcant 3 Fathom, owing to our being too far from the Iſland. After we paſſed the Boca-Tigris ſome Chineſe Officers came aboard, and took down an Account of the Ship's Name, Number of People, and warlike Stores.

Having now got to the Boca-Tigris, the Explanation of the Draught ends. I ſhall however add the Bearings taken from one Station within the Boca-Tigris, as they may be aſſiſtant to ſomebody elſe, though I have no other Materials to uſe with them.

Sunſet

1764.
Nov. 23.

Sunſet 23d Nov. 1764, at ⚓ in $\frac{5}{4}$ Fath. View Nº 23.

				✳ Lion's Tower	N 34º 30′ W
	R	5º	45′	Lion's Pt.	
		18.	40	Two Daniſh Ships, at ⚓ at 2d Bar,	
		19. 72.	50 15	Low Iſland	
		80.	40	Diſtant Tower	
	L	6.	45	Diſtant High Land	
		10. 73.	0 0	Low Iſland	
		11.	50	Little Tower, on Hill,	
		72.	10	Tower, on diſtant Hill,	
1		82.	45	R Ext. Iſland ✳ 2d	
				✳ 2d R Ext. Iſland	W 27. 15 S
2	L	82.	50	L Ext. Caſtle Iſland ✳ 3d	
				✳ 3d L Ext. Caſtle Iſland	S 20. 5 E
3	L	4º	25′	Point on E Side	
		70. 72. 80.	50 10 25	Slangen Iſland	
		80.	10	Diſtant Peak	
4	R	1.	40	Tree Fort	
5		7.	15	L Ext. Tyger Iſland	
6		14.	15	Gap Dº	
7		18.	0	R Ext. Dº	
8 9 10		26. 40. 51.	40 50 20	. . Peak . . Iſland, to Nd of Tyger Iſland,	
11 12		66. 70.	25 0	Iſland	
13		76.	10	Little Iſland	
14		78.	20	L Ext. ✳ 2d Iſland	

I ſhall

I ſhall alſo give a View of Lintin and the Nine Iſlands, taken 7th April 1760, from the Typa.

Sylock . . . . E 10° 0' S

Vide View Nº 24

1.	Yeali-tcheow	N 34°	10' E
2.	Tong-kow-wan	34.	40
3. 4.	Popau-tchow	35. 36.	30 40
5.	Heun-kow-tchow	38.	10
6.	Tak-phoong-kong	41.	0
7. 8.	Taikow-tchow (2 Iſlands)	41. 44.	55 20
9. 10.	Wang-Kow-tchow	45. 46.	40 0
10.	L Ext. Lintin	46.	0
11. 12.	Tſeang-tchow	46. 47.	50 35
12.	Lintin Peak	47.	35
13.	R Ext. Lintin	49.	20

F I N I S.